



# **BOARDLEY & ROBERTS LTD**





# COMPANY Profile



**Established in 1921**, Boardley & Roberts has built a reputation for consistently producing top quality rewinds, overhauls, refurbishments and engineering services, fast and efficiently throughout the UK. This reputation has been achieved by our ability to respond and adapt to the ever changing needs of our customers. Our specialist engineers are available around the clock, offering a complete range of Electrical & Mechanical services both on-site and in-house to guarantee minimum down time to all our customers. Boardley & Roberts are a member of the, 'Association of Electrical & Mechanical trades' (AEMT) & the 'Federation of Small Businesses' (FSB). We are proud of our high standards in commitment, knowledge and customer service.

**Boardley & Roberts** opened their brand new building with over 12,000sq.ft of office and workshop space in 2001 at our original Ipswich location. This purpose built facility has been designed to handle the rewind, refurbishment and repair side of our business, offering capabilities to handle any size of Electric Motor, all types of Pumping units, Generators, Alternators and all other forms of Electrical rotating machinery. Reconditioning, overhauling & repairing of all types of Gearbox and Fan unit with in house machining facilities which include shaft rebuilds, keyway / gear cutting, manufacturing of specialised components, engine head skimming and much more. If the requirement is Electrical or Mechanical, Boardley & Roberts Ltd has the facilities and experience to sort the problem out swiftly and professionally. Our **24/7** service is available around the clock with fully qualified personnel ready to react to your emergency call.

**New product sales team**, with over 50 years product experience, located at the Ipswich office are available to offer friendly advise or speedy deliveries anywhere in the world of new Electric Motors, Gearboxes, Fan units or Pumping units, available from our extensive on site warehouse or direct from the manufacturers. Boardley & Roberts are a Brook Crompton 'Approved Motor Centre/Stockist' and an 'Authorised Repair Agent'. The Brook Crompton organisation started to manufacture induction motors over 100 years ago and has since grown to be amongst the largest industrial motor manufacturers in the World today. The Ipswich warehouse contains new Motors, Gearboxes, Pumps & Fan units. These are available to all our customers 24/7 and are backed up by our team of experienced, knowledgeable personnel. Whether the problem is an urgent repair, or a new replacement needed, Boardley & Roberts has the ability to solve it.





The workshop has been designed to handle any size of Electric Motor, Fan ventilation or Pumping unit and any other type of Electrical rotating machinery. Whether it requires a complete rewind or just an overhaul, the workshop has all of the facilities for this work to be carried out swiftly and professionally.



W O R K S H O P

# Facilities



5t **DEMAG** 331089 01

**Boardley & Roberts facilities include a 5 tonne Demag crane, running the full length of our workshops & goods-in/out area.**

Making dropping off & collection of heavy items quick and easy!

Our experienced engineering team are fully qualified to repair, rewind, refurbish all types of Motor, Pump, Fan & Gearboxes.



# Electric Motor

## REPAIR SERVICE

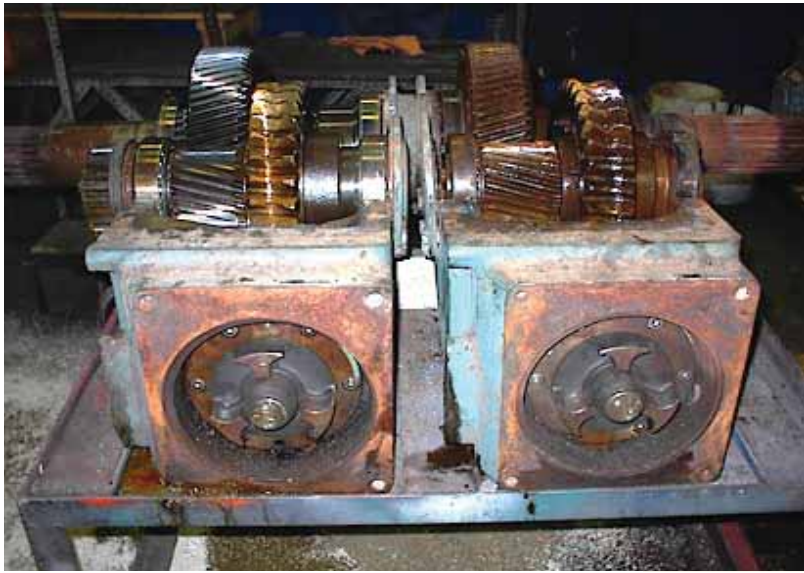
Boardley & Roberts specialise in the complete rewind of all types of A.C. Rotating machinery.



**D.C. electric motor repairs & armature rewinds**



Fully Certified to service  
**FLAMEPROOF Ex**  
apparatus to **AEMT**  
standards inline with  
**ATEX** directive



**All types of gearboxes from all manufacturers & brands repaired and serviced. Including gear cutting and all machining requirements.**



**G E A R B O X  
Repair Service**

# PUMP

# REPAIR Service

Boardley & Roberts Ltd specialise in all types of Pump repairs, rewinds, overhauls & full refurbishments



Large stocks of mechanical seals, bearings & parts held in stock to ensure a fast turn around on repairs.





# Panel Building

## & INVERTER INSTALLATION

- All panels can be designed to adapt to the customer's requirements.
- Heights, widths & depths can be adapted to suit any space restrictions.
- CAD electrical schematic diagrams will be issued.
- All other documentation including FAT (factory acceptance test), SAT (site acceptance test), method statements, risk assessments & operating maintenance manuals will be provided as required.
- Frequency Inverter Installation/Programming & commissioning

*Ask for details*



Boardley & Roberts' control panels cover monitoring, instrumentation & factory automation, with designs that are effective but not over complicated. All our panels are built with quality components & engineered to last.

**Boardley & Roberts' fully equipped machine shop has personnel with over 40 years experience.**



- Reclaiming of motor bearing housings
- Machine & sleeve all rotors & shafts returning them to original manufacturers tolerances

- Manufacturing of shafts, cutting key ways etc
- Plus many other machining services available



**M A C H I N E Workshop**

# Fan Repair

## SERVICE



All types of fan units, air handling units, repaired & refurbished.



In house and on-site Dynamic Balancing service available.

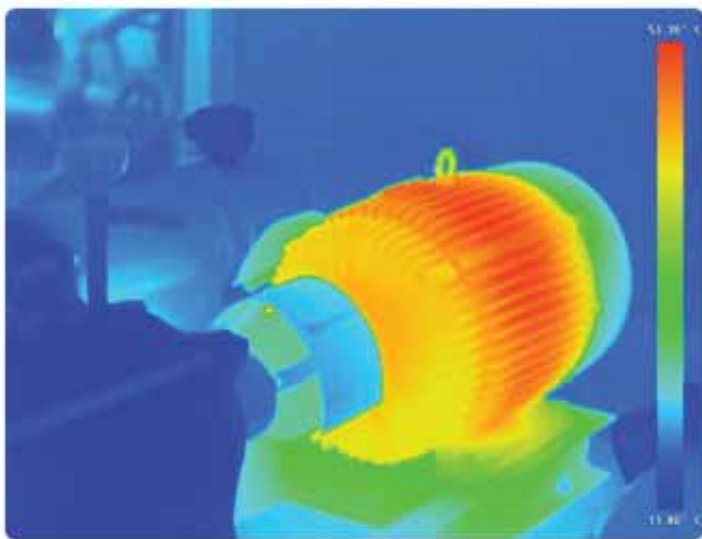
## VIBRATION **Analysis**



Through periodic monitoring of machines vibration, problems such as bearing wear can be detected early enough to permit planned repairs instead of unexpected break downs.

## **Infrared Thermal Imaging**

Infrared Thermal Imaging can detect potentially serious faults before they have a chance to develop. A survey of electrical installations will reveal in seconds any abnormal component temperatures preceding equipment failure. Our highly trained operators can provide this service on a regular contract as required.



# PREVENTIVE **Maintenance**





Our Engineering team has many years experience in all types of plant repairs.

# ENGINEERING

## Solutions

- The supply, install & commissioning of new plant.
- The removal, refurbishment & refitting of existing plant.
- On site fault finding.
- On site overhauls & repairs to plant.
- Fan Units
- Gearboxes
- Electric Motors
- Air Handling units
- Frequency Inverters
- Pumps & Pressurisation units

## On-site Engineering Solutions



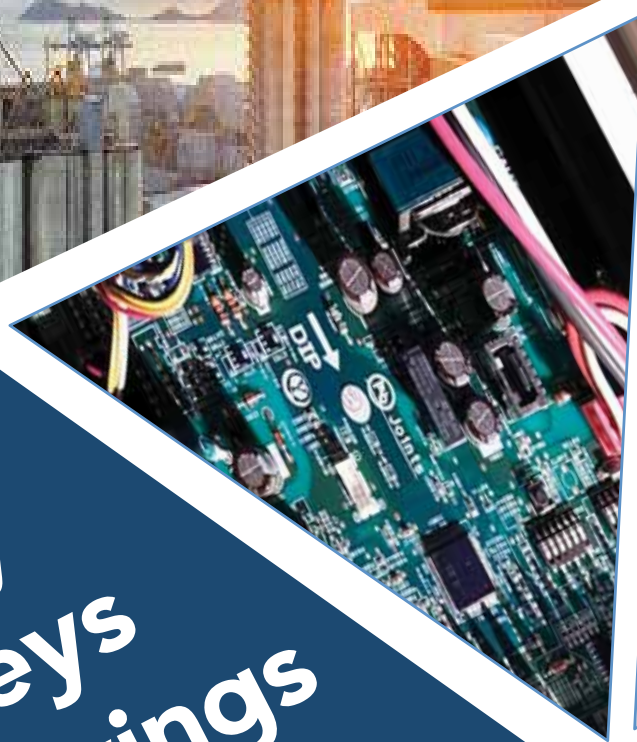
# ENGINEERING Solutions

Energy consumption contributes to a major cost in anyone's environment, so to stay competitive these costs must be kept to a minimum.

Various green initiatives in the form of government legislation have been implemented including metering requirements and the manufacture of energy efficient electric motors. Therefore knowledge of exactly what energy we are using and where is essential.

We are then in a position to implement saving initiatives such as voltage optimisation equipment, high efficiency electric motors, smart energy saving lighting and altering work patterns to ensure peak charge times are avoided.

**Ask for more details**



**Energy  
Surveys  
& Savings**



# COLLECTION & Delivery



**24/7 around the clock service**

**Specialist vehicles**

**Fast response  
emergency  
collection & delivery  
service**



# MEET THE TEAM

**Peter Biddlecombe** – Engineering Sales Manager  
E: [peter@boardley-roberts.co.uk](mailto:peter@boardley-roberts.co.uk)  
M: 07770402234

**Elaine Catling** – Accounts  
E: [elaine@boardley-roberts.co.uk](mailto:elaine@boardley-roberts.co.uk)

**Gavin Whitehouse** – Workshop Coordinator  
E: [gavin@boardley-roberts.co.uk](mailto:gavin@boardley-roberts.co.uk)

**Nikki Last** – New Product Sales  
E: [nikki@boardley-roberts.co.uk](mailto:nikki@boardley-roberts.co.uk)

**Danielle Hard** – New Product Sales  
E: [danielle@boardley-roberts.co.uk](mailto:danielle@boardley-roberts.co.uk)

**Paul Hunnibell** – Collection / Delivery Driver  
T: 01473 830272



## Engineering Team

Boardley & Roberts' established Engineering workforce ranging from personnel with over 40 years service with the company to our young apprentice scheme.







**Richard Boardley** (to the right) became Managing Director 1989

**Carl Boardley** (to the left) Richards' son also became Director in 1995



# Premium Efficiency product sales

0.75kw – 400kw  
2 / 4 / 6 / 8 pole

Various mounting positions available

- High efficiency for low running cost.
- Multi mount design.
- High reliability for long life.
- Low noise levels.
- Cool running for long insulation life.



**Brook Crompton**  
W Premium  
efficiency cast  
iron/aluminum  
motor IP55  
3phase 380-415v

- Dual frequency 50Hz & 60Hz
- High power factors.
- 4 Position cable entry.
- 3 Year warranty.



Brook Crompton Series 10  
Standard Motor IP55 3 Phase 380-415v

# MOTORS AVAILABLE

**0.18kw – 315kw**  
**2 / 4 / 6 / 8 Pole**

- Full output range to meet all requirements.
- Robust construction for longer life.
- Foot, flange & face mounting combinations available.
- Frequency 50hz or 60hz
- IP55
- Metal Fan cover
- 2 Year warranty



**BROOK CROMPTON**  
Series 10 Electric Motors



## Brook Crompton World Series

EExd Zone 1 Explosion proof & EEx na  
Zone 2 Non sparking cast iron motors  
3ph 380-415v



Brook Crompton  
W Combustible dust zones 21 & 22  
(125 degrees surface temperature)

Brook Crompton offers one of the widest available ranges of electric motor for operation in hazardous atmospheres & hostile environments.

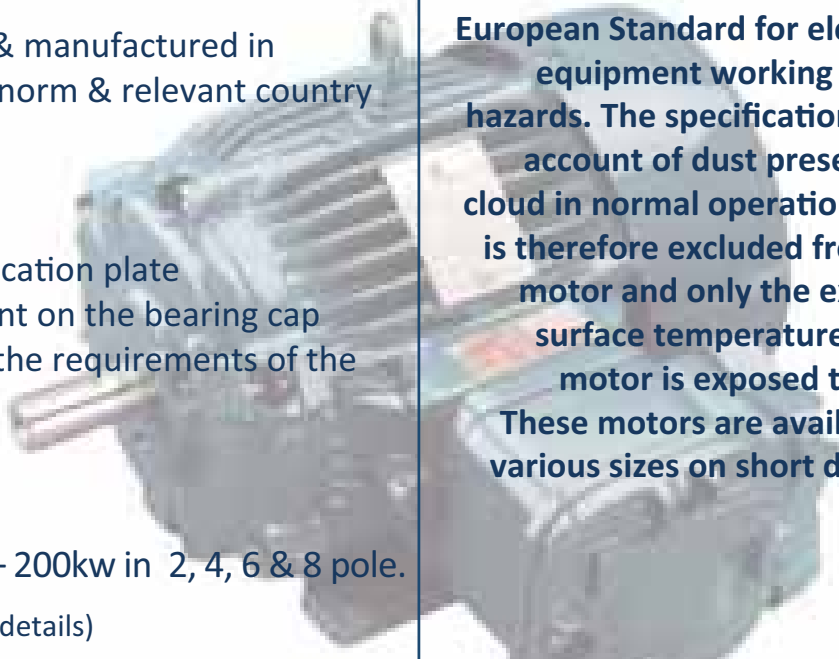
All motors are designed, tested & manufactured in accordance with the latest Euro norm & relevant country standards.

- Full 2 year warranty
- Stainless steel rating & certification plate
- Certification of Grant of Patent on the bearing cap
- All motors fully comply with the requirements of the ATEX directive (2014/34/EU)

Power ranges between 0.75kw – 200kw in 2, 4, 6 & 8 pole.

(ask for more details)

A complete range of motors are available to meet with the European Standard for electrical equipment working in dust hazards. The specification takes account of dust present in a cloud in normal operation. Dust is therefore excluded from the motor and only the external surface temperature of the motor is exposed to dust. These motors are available in various sizes on short delivery times.



BROOK

CROMPTON

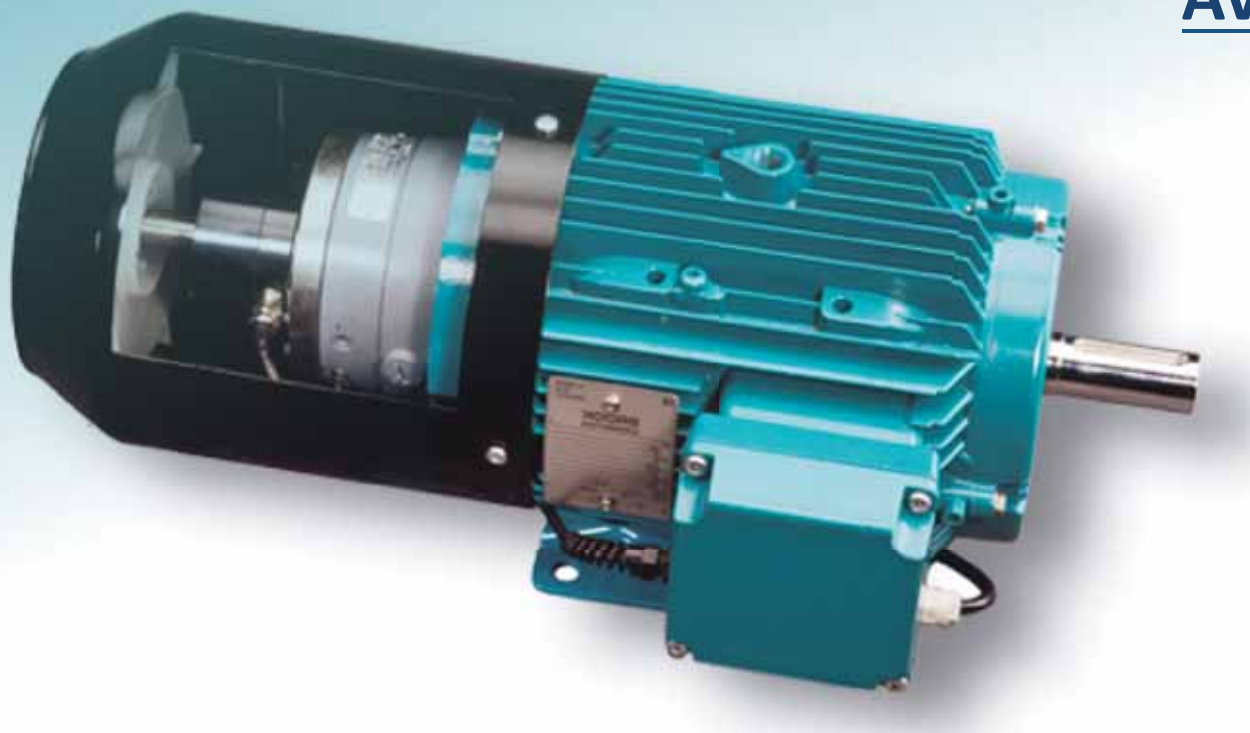
**EExd** Explosion Proof Motors

Brook Crompton AC & DC Brake kits & forced ventilation kits are available from stock to fit the World range of high efficiency motors.



**Frame Sizes**  
**Available**

- 63
- 71
- 80
- 90
- 100
- 112
- 132



# B R A K E & Single Phase Motors

**Brook Crompton Single phase  
Electric motor IP55 240v**

0.25, 0.37kw 4pole

0.55, 0.75, 1.1, 1.5, 2.2kw in 4 & 2 pole



Foot, Flange & Face  
mounted versions  
available

# Motor G E A R E D Units



## Electropower Motor Geared Units

Electropower gears are a long established, high regarded product range, which are still available in their original form. Boardley & Roberts build these gearboxes in house from components held in out stores. All gearboxes are available with Brook Crompton motors.



ESR1 Inline Helical Gearbox  
ESR2 Inline helical Gearbox  
ESR3 Inline Helical Gearbox

**MANY OFFERED  
& BUILT ON A  
24HR SERVICE**



Motovario, Bonfiglioli, Siti, Nord and many other makes available

# Inverters &

# CONTROLS



- Wide range of inverter drives for accurate speed control of AC induction motors.
- Latest technology & design
- Matched motor/inverter packages.
- 846 series IP55 ranges from 0.4kw-132kw



## Crompton Controls

Series 2000 Direct on line starters to 15kw 3phase or 1phase.  
Series 2000 star delta starters to 30kw plus a full range of components & accessories



## MITSUBISHI

## Frequency Inverters



*A wide range available from our stock, other makes available (ask for more details)*



# Fan and

## THE LONDON FAN COMPANY

### Fan Units

- Long Cased Axial Fans
- Smoke Extract
- Bifurcated
- Boxed Centrifugal
- Twin direct drives
- Twin belt drives
- Short Cased
- Axial
- Propeller
- Roof Fans
- Portable / Pedestal

All Available on short deliveries

### Fan Impellers

Fan impellers manufacturers from stock parts to suit any power, speed or airflow requirements



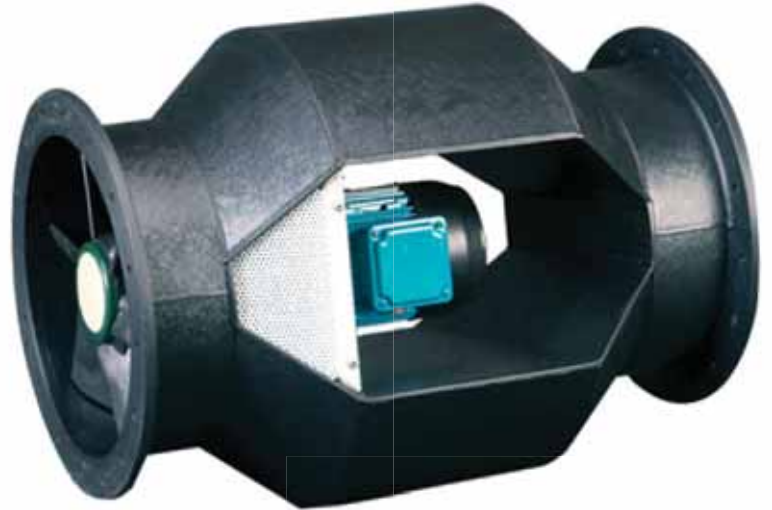


# VENTILATION UNITS

## FLAKT WOODS

- Axial Fans
- Centrifugal fans
- Roof Master
- Bifurcated
- Multi Stage
- Aerofoil
- Portable
- Accessories

All available on short deliveries



## EBM / ZIEHL ABEGG

### Fan Units

- Low noise
- Plastic
- General Purpose
- Compacts
- Centrifugal

All available on short deliveries





## ITT Lowara Pumping Units

- Peripheral
- Self priming centrifugal
- Stainless Steel Centrifugal
- Vertical Multistage
- Submersible
- Pressure Booster units



## ITT Flygt Pumping Units

- Drainage
- Waste & Process water
- Slurry Pumps
- Borehole / Well pumps



## Hygienic Lobe Pumps

Stainless steel in material and suitable for CIP  
Various different lobe components available upon ordering depending on the product being made.

**Alfa Laval**  
Pumping units  
Rotary Lobe  
Pumps

ALL AVAILABLE  
ON SHORT  
DELIVERY TIMES.

# Pumping



Grundfos, Netzsch, TT Pumps, ABS, DAB, Ebara and many other manufacturers available.

- Circulation Pumps
- Single Stage
- Nom bloc
- Submersible
- Booster Pumps
- Multistage
- Waste Water
- Sanitary

### Armstrong

- Starnorm
- Starbloc
- Vertical in-line
- Startwin
- Starflex
- Vertical coupled
- Starline
- Horizontal Split Case

# U N I T S

All available on short lead times. Please ask for more details



Drum Motors all  
available on short  
deliveries.

- 80s
- 80sdc
- 80i
- 113s
- 113c
- 113sdc
- 113x
- 113e
- 138e
- 138emb
- 165e
- 216s
- 217
- 315

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Drum Rollers





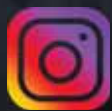
Boardley & Roberts has built strong relationships over the years with many different manufacturers across the globe.

For all sales enquiries please contact our sales team on 01473 830272 or you can email them at [sales@boardley-roberts.co.uk](mailto:sales@boardley-roberts.co.uk)



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